LABDEX

Automatic Biochemistry Analyzer LX105ABA

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Description

Automatic Biochemistry Analyzer LX105ABA is a completely automated benchtop chemistry analyzer with a throughput of 200 tests per hour. Designed with an independent probe and stirrer, reduced sample volume, and simple operation, this is a suitable biochemical analyzer for low to mid-volume hospitals and laboratories worldwide. It has an easy-to-use interface that provides a long-term basis for analytical performance. This system contains automatic dilution (decrease, increase, normal), permanent ceramic piston, linear & nonlinear calibration, multi-point calibration up to 8 points, quality control applies to Westgard, L-T plot, cumulative and offers consistent quality results.

Specifications

Throughput	Constant 200 tests/hour (mono or double reagent)
Analysis principle	Colorimetric, turbidimetry
Analysis method	1 Point end, 2 point end, Fixed-Time, Kinetics
Sample	**Reagent tray**: 80 Reagent positions (40 for R1 & 40 for R2) **Reagent volume**: 20-300µl step by 1µl **Reagent needle**: Liquid surface detection, timely tracking for liquid volume Collision avoidance
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Reaction	<table><tr><td>**Reaction tray**</td><td>44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance</td></tr><tr><td>**Reaction volume**</td><td>150µl~330µl</td></tr><tr><td>**Reaction time**</td><td>10 minutes</td></tr></table>
Probe washing	Automatic washing interior and exterior, carry-over < 0.05%
Cooling	Non-stop cooling system with peltier pad inside, 24 hours 2°C - 14°C
Temperature control	37°C ± 0.1°C, Peltier pad incubation system
Mixer probe	Paddle-type mixing, surface teflon treatment, wash before and after mixing, effective reducing of carry-over
Cuvettes washing steps	4 Stage, 2 times automatic washing system
Light source	Halogen lamp
Wavelength	Standard- 340 nm, 405 nm, 450 nm, 505 nm, 546 nm, 578 nm, 630 nm, 700 nm Optional- 340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 578 nm, 600 nm, 630 nm, 660 nm, 670 nm, 700 nm, 750 nm and 800 nm (Choose 4 more options)
Absorbance	0 - 4.0 Abs
Resolution	0.0001 Abs
Calibration	Linear and non-linear
Software	Windows XP/7/8/10
Report printing	6 Formats (optional), support custom pattern
Water consumption	8 L/hour (maximum)
Interface	TCP/IP network interface
Power supply	AC 220 V ± 10 %, 50/60 Hz, 110 V ± 10 %, 60 Hz
Dimension (W x D x H)	745 x 540 x 530 mm

Net weight	45 Kg
Packing dimension (W x D x H)	870 x 690 x 740 mm 340 x 420 x 230 mm
Gross weight	80 Kg 8 Kg

Features

- Designed with uninterrupted workflow providing 200 tests/hour
- The reaction tray contains 44 UV plastic reaction cuvettes
- Non-stop cooling system with peltier pad inside for 24 hours at 2°C - 14°C
- Having external and internal mirror polish and probe washing system
- A dedicated sampling probe equipped with a sensitive liquid sensor, timely feedback of reagent & sample residuals
- Provide collision protection, automatic probe depth adjusting, excellent mixing effect with standard mixing procedure
- Having a permanent ceramic piston with accurate dispensing as low as 0.1µl
- Features like reaction result automatic checking and warning, calibration result automatic checking, warning alarm log

Applications

- Automatic biochemistry analyzer used in many biology and histopathology laboratories to extract the serum, plasma, urine or any other body fluid, Research institutes, etc.

Standard Accessories

- Bar code reader

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